

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE REMOVAL OF AN EXISTING INTERSECTION CONTROL BEACON AND THE INSTALLATION OF HAZARD IDENTIFICATION BEACONS (HIB) ON US 15 (CATOCTIN MOUNTAIN HIGHWAY) NEAR THE INTERSECTION OF MD 464 (POINT OF ROCKS ROAD) IN FREDERICK COUNTY DUE TO THE INSTALLATION OF A ROUNDABOUT. US 15 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

EACH HIB WILL OPERATE IN FLASHING MODE WITH FLASHING YELLOW BEACONS ON US 15 (CATOCTIN MOUNTAIN HIGHWAY).

CONTROLLER REQUIREMENTS

EACH HIB WILL CONTAIN A CABINET AND CONTROLLER, SIGNAL HEADS, SIGN, AND POWER SERVICE.

PHONE DROP

THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE TWO PHONE DROP LINE INSTALLATIONS. THE CONTRACTOR IS TO NOTIFY MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

THE CONTACT PERSONS FOR DISTRICT #7 ARE AS FOLLOWS:

Mr. John Concannon
Assistant District Engineer - Traffic
Phone: 301-624-8140

Ms. Andrea Abend
Assistant District Engineer - Utility
Phone: 301-624-8115

Mr. Ray Johnson
Assistant District Engineer - Maintenance
Phone: 301-624-8108

Mr. Edward Rodenhizer
Chief, SHA Traffic Signal Shop
Phone: 410-787-7650

Mr. Richard L. Daff Sr.
Chief, Traffic Operations Division
Phone: 410-787-7630

Mr. Sonny Bailey
SHA Sign Operations
Phone: 410-787-7670

The Power Company is:
Allegheny Power
10435 Downsville Pike
Hagerstown, MD 21740-1766
Phone: 800-255-3443

Contact:
Mr. Brandon Warrenfeltz
LED - Frederick Svc. Center
Phone: 301-694-4420

EQUIPMENT LIST 'A'

EQUIPMENT TO BE FURNISHED BY THE SHA.

ITEM NO	QUANTITY	DESCRIPTION
900000	2 EA	CABINET 'G' TYPE POLE MOUNT
900000	2 EA	2 CIRCUIT FLASHER
973023	40 SF	SHEET ALUMINUM SIGNS
		2 EA - W2-6 (48 IN. x 48 IN.) FY
		2 EA - W13-1 (24 IN. x 24 IN.) FY

EQUIPMENT LIST 'C'

EQUIPMENT TO BE REMOVED AND RETURNED TO SHA.

ITEM NO	QUANTITY	DESCRIPTION
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NONE - ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR

EQUIPMENT LIST 'B'

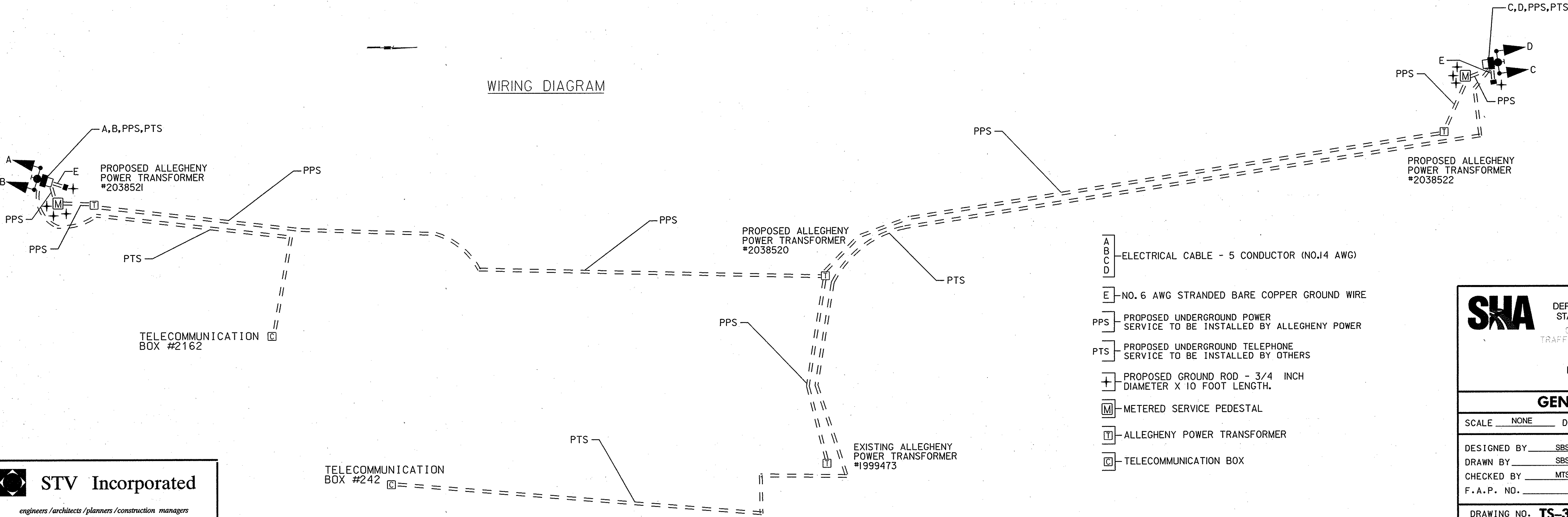
EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO	QUANTITY	DESCRIPTION
120500	1 LS	MAINTENANCE OF TRAFFIC
203030	2 CY	TEST PIT EXCAVATION
800000	1 EA	REMOVE AND DISPOSE OF TRAFFIC SIGNAL EQUIPMENT
800000	4 EA	12 INCH YELLOW LED SIGNAL HEAD SECTION
801004	3 CY	CONCRETE FOR SIGNAL FOUNDATION
802501	30 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805105	100 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
805115	50 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
805125	3700 LF	2 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
805135	3710 LF	3 INCH SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
807202	2 EA	METERED SERVICE PEDESTAL
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
813015	40 SF	INSTALL OVERHEAD SIGN
818010	2 EA	14 FOOT BREAKAWAY PEDESTAL POLE
837001	8 EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
861107	20 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
871201	2 EA	INSTALL CONTROLLER AND CABINET - POLE MOUNT

HIB PHASE CHART

	1	2	3	4
	(Y)	(Y)	(Y)	(Y)
NORMAL OPERATION	FL/Y	FL/Y	FL/Y	FL/Y

WIRING DIAGRAM



GENERAL INFORMATION

SCALE NONE DATE 3/2007 CONTRACT NO. FR3255176

DESIGNED BY SBS COUNTY FREDERICK
DRAWN BY SBS LOGMILE 10001501.40
CHECKED BY MTS F.I.M.S. NO. H179
F.A.P. NO. TCD NO.

DRAWING NO. TS-3626A OF SHEET NO. OF